

ABSTRACT

A method, system, computer program product, and method of doing business by improving the security of transactions performed using smart cards, and also a card with an integrated biometric sensor. The disclosed techniques also improve the security of transactions carried out with devices such as personal or "pervasive computing" devices. Biometric sensors are used for obtaining identifying information from users of smart cards. In one aspect, this may be done by securely attaching a smart card reader and a biometric sensor to a security core which authenticates these devices using public key infrastructure techniques, and which securely controls information exchanged with these devices. In another aspect, this is done by integrating a biometric sensor with a smart card.

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